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We claim:

1. A washing machine without addition of a detergent by the user comprising:

a housing,

a washing tub for containing laundry,

10 an outer tub for containing washing tub,

a water supply device for supplying water into washing tub,

an electrolyzed water-generating device for providing electrolyzed water,

a water level detecting means for detecting a level of water supplied into the washing tub, and a modifying agent feeding device for providing modifying agent into the

15 washing tub; wherein said modifying agent feeding device is connected with the water supply device, and said electrolyzed water generating device which connected with the water supply device provides electrolyzed water with pH at least 8.5; the pH of washing water is maintained in the range from 8.5 to 11, the electric conductivity of washing water is from $261\mu\text{S}/\text{cm}$ to $875\mu\text{S}/\text{cm}$, while the surface tension of that is from 25 to 40
20 mN/m during washing operation.

2. A washing machine of claim 1, wherein the water supply device comprises: a water supply tube which is connected with tap water tube, a water supply valve, a water supply port which is provided on the upper part of washing tub, a first water supply path connecting with the water supply valve and a water supply port, and a second tap water
25 supply tube connecting to the output end of water supply valve; the electrolytic water generating device and modifying agent feeding device is placed at the output end of the second tap water supply tube, the electrolytic water generating device comprises: a electrolyzing cell with diaphragms, a power supply converting device for converting alternating current into direct current (DC) to provide DC to the electrolyzing cell; the

water inlet of the electrolyzing cell is connected to the second tap water supply tube of the output end of water supply valve; cathode chamber and anode chamber of the electrolyzing cell are connected to the first drainpipe for providing electrolytic solution to the washing tub, and the second drainpipe connecting to the water drainage tube respectively; the modifying agent feeding device comprises: at least a liquid storage container, a dosing and feeding device set at the lower part of the liquid storage container for providing modifying agent at a certain quantity, the input end of the dosing and feeding device is connected with the liquid outlet tube at the bottom of the liquid storage container, while one output end of the dosing and feeding device is linked to the first drainpipe, the other output end is connected with water drainage tube and the second drainpipe through emptying pipe.

3.A washing machine of claim 1, wherein the water supply device comprises: water supply tube which is connected with tap water tube, water supply valve, a water supply port which is provided on the upper part of washing tub, a first water supply path connecting with the water supply valve and the water supply port, a second tap water supply tube connecting to the output end of water supply valve, and a third tap water supply tube connecting with the output end of water supply valve; the electrolytic water-generating device is set at the output end of the second tap water supply tube, and modifying agent feeding device is connected with the output end of the s third tap water supply tube; the electrolytic water generating device comprises: a electrolyzing cell with diaphragm, a power supply converting device for converting alternating current into direct current (DC) to provide DC to the electrolyzing cell; the water inlet of the electrolyzing cell is connected to the second tap water supply tube of the output end of water supply valve; cathode chamber and anode chamber of the electrolyzing cell are connected to the first drainpipe for providing electrolytic solution to the washing tub and, and the second drainpipe connecting to the water drainage tube respectively; the modifying agent feeding device comprises: at least a liquid storage container, a dosing and feeding device at the lower part of liquid storage container for supplying the modifying agent with rations; one input end of the dosing and feeding device is connected with the liquid outlet tube at the bottom of the liquid storage container, and the other input end of the dosing and feeding device is connected with the third tap water supply tube of the water supply valve, while one output end of the dosing and feeding device is connected with water supply port which is provided on the upper part

of washing tub, the other output end is connected with water drainage tube and the second drainpipe through emptying pipe.

4. A washing machine without addition of a detergent by the user comprising:

an electrolyzed water generating device for providing electrolyzed water, and

5 a modifying agent feeding device for providing modifying agent into the washing tub;
wherein the electrolyzing cell of electrolyzed water generating device, and/or the liquid
storage container of the modifying agent feeding device is hanged externally and
mounted on the housing of washing machine.

5. A washing machine of claim 4, wherein the electrolyzing cell and/or the liquid
10 storage container is hanged externally and mounted upon the lateral surface of the
housing back of washing machine.

6. A washing machine of claim 4, wherein a first perforation is configured at the upper
part of the rear panel of housing of a washing machine for passing through the water
supply tube of electrolyzed water, and the second perforation is configured at the lower
15 part of that of a washing machine for passing through the second drainpipe connecting
to the water drainage tube.

7. A washing machine of claim 4, wherein the thickness of the electrolyzing cell or
liquid storage container is in the range from 1/10 to 1/4 of that of washing machine, and
the width and height of the electrolyzing cell or liquid storage container is less than that
20 of the washing machine.

8. A washing machine of claim 4, wherein the electrolyzing cell and/or the liquid
storage container is covered with a covering board.

9. A washing method without addition of a detergent by the user comprising the steps of:
electrolyzing tap water simultaneously adding a certain dosage of modifying agent, the
25 washing water being the mixture solution of electrolyzed water and modifying agent,
wherein the pH of washing water is maintained in the range from 8.5 to 11, the electric
conductivity of washing water is from 261 μ S/cm to 875 μ S/cm, while the surface tension
of washing water.

10. A washing method of claim 9 wherein the pH of washing water is in the range from 9 to 11.

11. A washing method of claim 9 wherein tap water is supplied to the electrolyzing cell to be electrolyzed, acidic ionized water and alkaline ionized water are generated
5 respectively, and alkaline water is supplied into the washing tub, acidic ionized water is stored up or to be used to sterilize the laundry, then the alkaline ionized water which is activated by the modifying agent fed by the modifying agent supply device reaches the washing water level, normal washing course starts; the rinsing operation is performed
10 after water is supplied into the washing tub again, or a proper amount of acidic ionized water is introduced for rinsing the laundry, and some tap water is introduced to meet the predetermined water level to fulfill the entire washing process.

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